

Wednesday, September 21, 2011  
7:57 AM

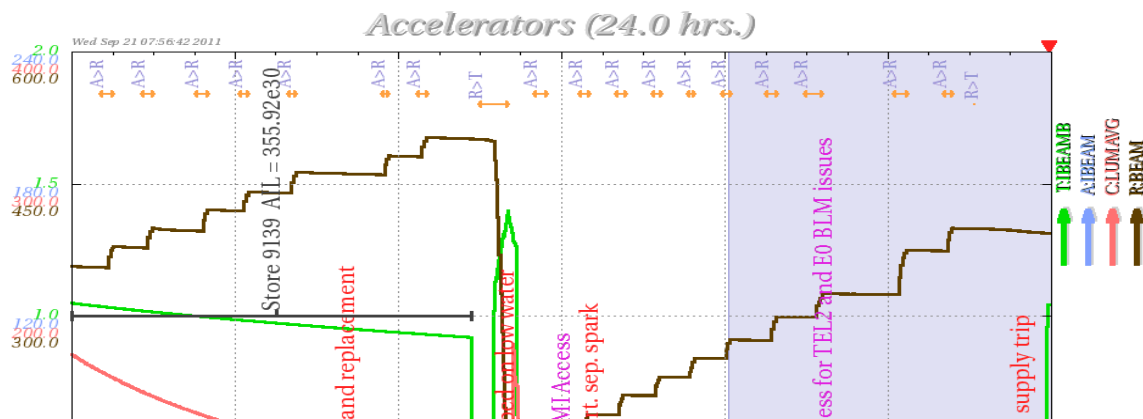
## Operational Notes

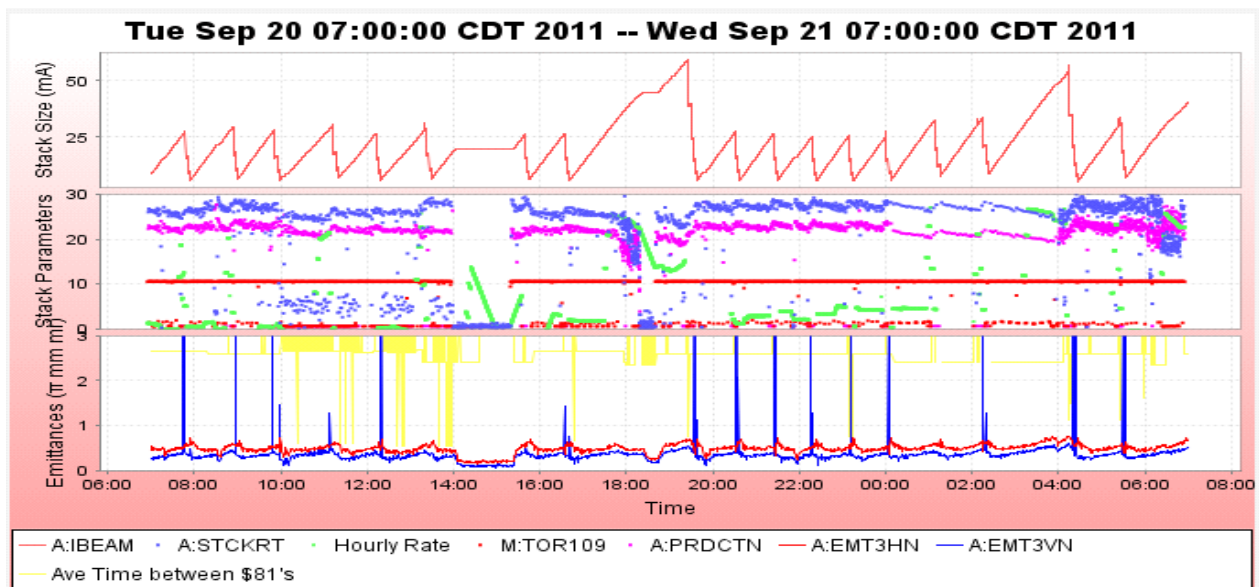
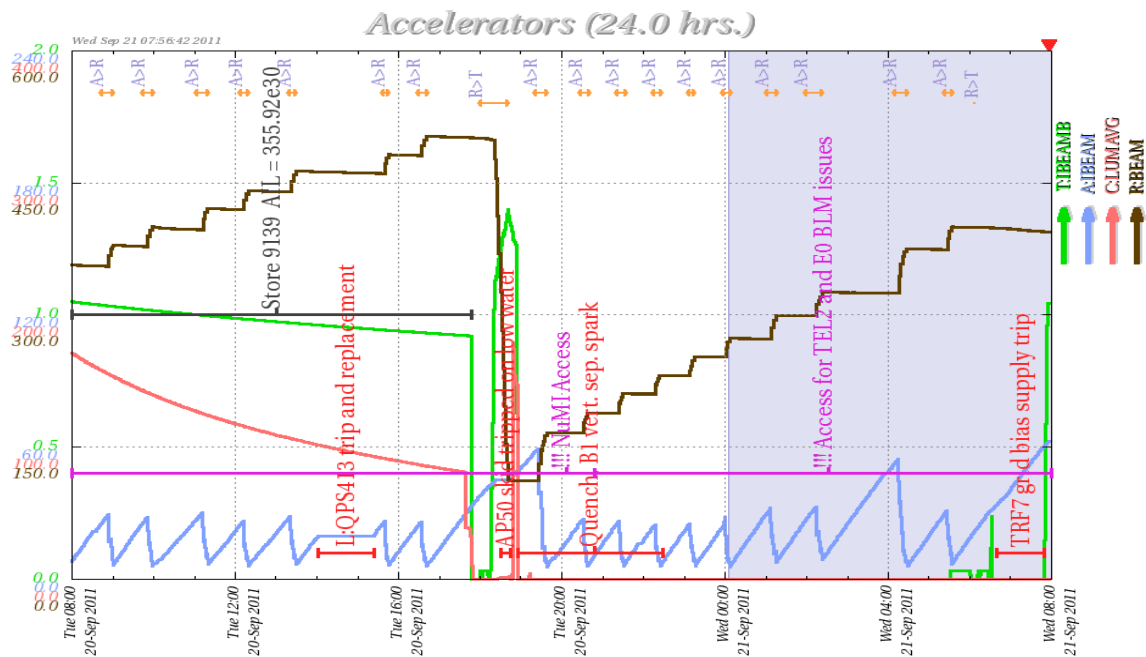
- AP50 chilled water skid fault for A:50AFLT tripped Acc core momentum TWTs.
- MI-30 Quad bus ps trip
- Pbar 95 LCW leak is about 138 gal/day right now.

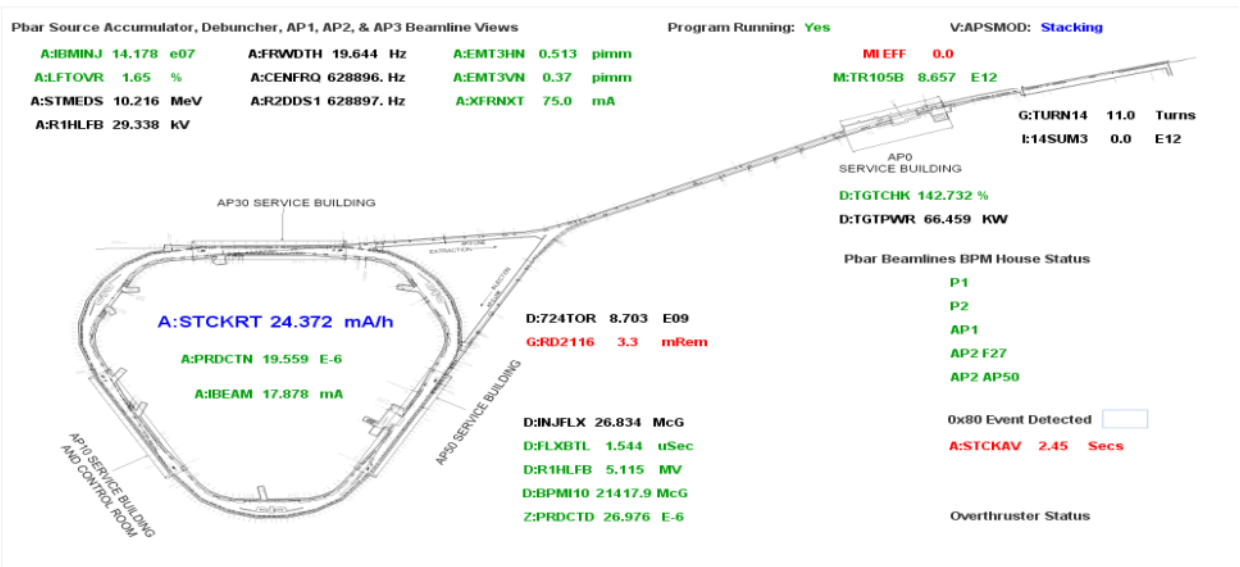
## Numbers

- Stacking
  - Pbars stacked: 544.27 E10
  - Time stacking: 22.39 Hr
  - Average stacking rate: 24.31 E10/Hr
- Uptime
  - Number of pulses while in stacking mode: 30897
  - Number of pulses with beam: 29091
  - Fraction of up pulses was: 94.15%
- The uptime's effect on the stacking numbers
  - Corrected time stacking: 21.08 Hr
  - Possible average stacking rate: 25.81 E10/Hr
  - Could have stacked: 578.06 E10/Hr
- Recycler Transfers
  - Pbars sent to the Recycler: 505.25 E10
  - Number of transfers : 58
  - Number of transfer sets: 18
  - Average Number of transfer per set: 3.22
  - Time taken to shoot including reverse proton tuneup: 00.20 Hr
  - Transfer efficiency: 95.88%
- Other Info
  - Average POT : 8.67 E12
  - Average production: 21.58 pbars/E6 protons

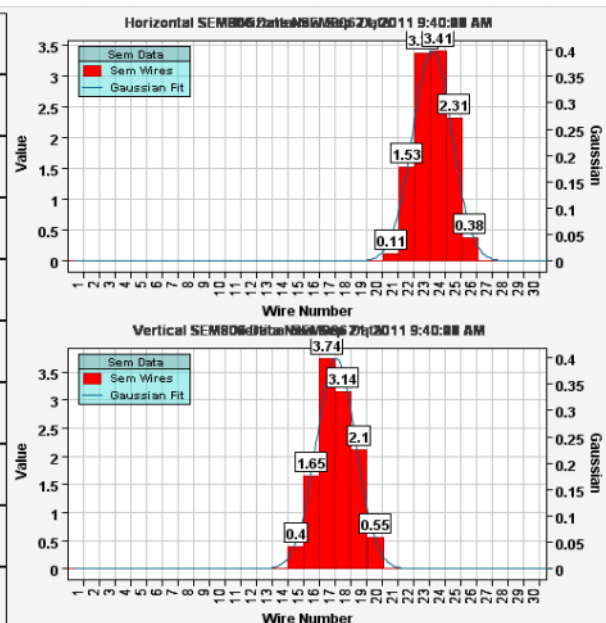
## Plot

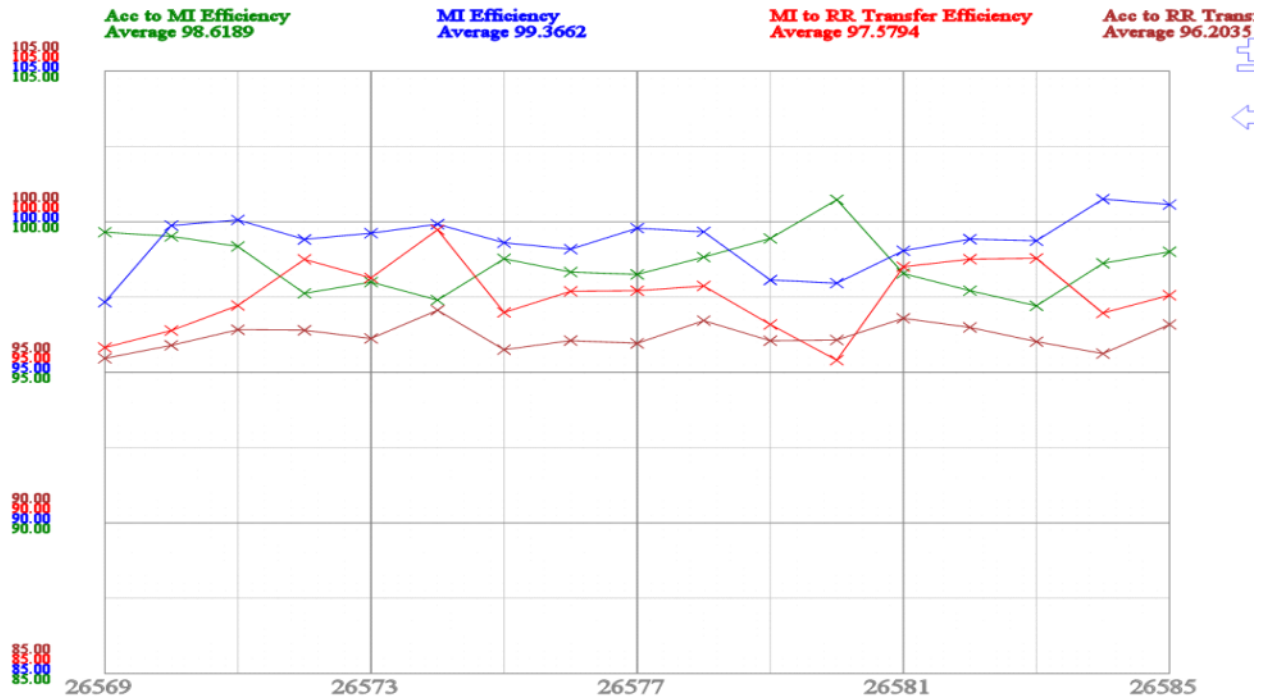






Horizontal Area New	11.11	Intensity
Horizontal Area Calc	197.02	Intensity
Horizontal Sigma New	3.26	mm
Horizontal Sigma Calc	3.08	mm
Horizontal Mean	26.0	mm
Vertical Area New	11.59	Intensity
Vertical Area Calc	200.5	Intensity
Vertical Sigma New	3.53	mm
Vertical Sigma Calc	3.32	mm
Vertical Mean	7.7	mm





Column 1 Number_ 0_Pbar Transfer Shot #	Column 4 Number_3_Transfer Time	Column 21 Number_20_AiBE AMB sampled on S91 (A-BEAM7 , E10	Column 22 Number_21_AiBE AMB sampled on S94 (A-BEAM9 , E10	Unstacked (mA)	Column 23 Number_22_RiBEA MS (R:BEAME 0[0]) pre xfer E10	Column 24 Number_23_RiBEA M (R:BEAME 0[1]) post xfer, E10	Stashed	Acc to RR Eff	Acc to MI Eff	Acc to MI2 Eff	Acc to MI + Acc to MI2 Efficiency	Trans fers	Sets	Column 5 Number_4 _Acc Horizontal Emittance	Column 6 Number_5 _Acc Vertical Emittance	Column 8 Number_7 _Acc Longitudi nal Emittance	
	Totals =>			456.46			439.31	96.24%	98.59%	98.35%	96.97%	52	16	5.08188	3.4596	1.9943	
	Daily Average =>			456.46			439.31					52	16				
26585	Wednesday, September 21, 2011	5:26	31.60	6.85	27.09	374.35	400.16	26.18	96.66%	99.17%	99.40%	98.58%	3	1	5.097	3.339	1.982
26584	Wednesday, September 21, 2011	4:15	54.70	5.42	53.76	324.99	375.39	51.28	95.39%	98.63%	99.14%	97.79%	5	1	5.728	3.856	1.989
26583	Wednesday, September 21, 2011	2:14	33.68	8.79	28.27	299.21	326.09	27.13	95.97%	97.39%	96.73%	94.21%	3	1	5.458	3.975	2.013
26582	Wednesday, September 21, 2011	1:07	32.47	7.71	28.05	273.02	299.86	27.08	96.53%	97.87%	97.35%	95.28%	3	1	5.224	3.704	2.001
26581	Wednesday, September 21, 2011	0:00	25.82	5.77	22.39	252.18	273.66	21.71	96.94%	97.91%	97.51%	95.47%	3	1	4.822	3.194	1.986
26580	Tuesday, September 20, 2011	23:08	25.75	5.64	22.48	231.07	252.66	21.63	96.21%	100.40%	99.74%	100.14%	3	1	4.663	2.961	2.002
26579	Tuesday, September 20, 2011	22:17	25.31	5.56	22.08	210.36	231.48	21.33	96.61%	99.62%	97.40%	97.03%	3	1	4.613	2.933	1.98
26578	Tuesday, September 20, 2011	21:23	26.54	5.71	23.20	188.58	210.80	22.39	96.50%	98.62%	98.27%	96.91%	3	1	4.48	3.384	1.988
26577	Tuesday, September 20, 2011	20:31	27.71	6.11	23.95	166.14	188.94	23.01	96.05%	98.93%	98.54%	97.48%	3	1	5.259	3.429	1.995
26576	Tuesday, September 20, 2011	19:26	59.87	5.77	58.38	111.46	166.64	56.05	96.01%	98.36%	98.34%	96.73%	5	1	5.444	3.804	1.978
26575	Tuesday, September 20, 2011	16:33	26.58	5.85	23.43	481.05	503.05	22.50	96.04%	98.27%	98.22%	96.52%	3	1	4.841	3.228	1.988
26574	Tuesday, September 20, 2011	15:39	26.64	6.22	22.67	460.78	482.40	21.98	96.93%	98.37%	97.94%	96.34%	3	1	5.481	3.56	2.026
26573	Tuesday, September 20, 2011	13:21	29.26	6.49	25.59	439.75	463.84	24.64	96.27%	98.72%	98.23%	96.97%	3	1	5.347	3.502	1.982
26572	Tuesday, September 20, 2011	12:11	26.70	6.10	23.36	419.59	441.63	22.52	96.43%	97.63%	97.65%	95.34%	3	1	4.863	3.52	2.011
26571	Tuesday, September 20, 2011	11:12	30.59	6.82	26.52	396.71	421.56	25.58	96.46%	98.97%	99.32%	98.30%	3	1	5.244	3.667	1.999
26570	Tuesday, September 20, 2011	9:51	28.52	6.07	25.24	377.45	400.61	24.32	96.35%	99.16%	99.04%	98.20%	3	1	4.746	3.298	1.988

